

TETRASPAN PROTEIN AND USES THEREOF

## ABSTRACT OF THE DISCLOSURE

Inhibitors of TSPAN-7 are provided that reduce the expression or biological activities of TSPAN-7 in a mammalian cell. TSPAN-7 inhibitors include antisense molecules, ribozymes, antibodies and antibody fragments, proteins and polypeptides as well as small molecules. TSPAN-7 inhibitors find use in compositions and methods for decreasing TSPAN-7 gene expression as well as methods for inhibiting proliferation of mammalian cells, including tumor cells, methods for decreasing the side effects of cancer therapy and methods for treating neoplastic diseases. Also provided are nucleic acids encoding a new member of the tetraspan family, TSPAN-7, and polypeptides encoded thereby.

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